INTERNATIONAL SEARCH REPORT

International Application No 1/US2004/032933

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N5/06						
According to	According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N						
Documental	tion searched other than minimum documentation to the extent that su	uch documents are included in the fields Se	arched			
Documentation searched office main minimum documentation to the extent that such documents are included in the tierds Searched						
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)						
EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.			
Х	ENGELMANN K ET AL: "'Endothelial cell 1-5, transplantation and growth behavior of the 7-10,					
	human corneal endothelium!" 34-43 DER OPHTHALMOLOGE : ZEITSCHRIFT DER					
1	DEUTSCHEN OPHTHALMOLOGISCHEN GESE SEP 1999,					
	vol. 96, no. 9, September 1999 (1 pages 555-562, XP002312235 ISSN: 0941-293X					
	the whole document					
		/				
	·	'				
		·				
X Funt	ner documents are listed in the continuation of box C.	Patent family members are listed in	annex.			
° Special categories of cited documents: "T" tater document published after the international filing date or priority date and not in conflict with the application but						
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international *Y* document of particular relevance: the claimed invention			, ,			
filing date *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			be considered to			
which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or cited to involve an inventive step when the document is combined with one or more other such document.						
	ent published prior to the international filing date but	ments, such combination being obviou in the art. *8* document member of the same patent the	•			
Date of the	actual completion of the international search	Date of mailing of the international sear	Date of mailing of the international search report			
3	0 December 2004	2 9. 03. 05				
Name and r	nailing address of the ISA	Authorized officer				
European Pateni Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016		Fotaki, M				

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

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			J4/U32933	
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
Х	MIYATA K ET AL: "Effect of donor age on morphologic variation of cultured human corneal endothelial cells." CORNEA. JAN 2001, vol. 20, no. 1, January 2001 (2001-01), pages 59-63, XP002312236 ISSN: 0277-3740 the whole document		1-5, 7-10, 34-43	
X	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; December 2002 (2002-12), AMANO SHIRO: "Transplantation of corneal endothelial cells." XP002312237 Database accession no. PREV200300187415 the whole document & NIPPON GANKA GAKKAI ZASSHI, vol. 106, no. 12, December 2002 (2002-12), pages 805-836, ISSN: 0029-0203		1-5,7-10	
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5, 7-10, 16-24, 34-43

A method for in vitro culturing of corneal epithelial cells; cells produced by said method; a method for transporting said cells; a method for storing target tissue that received said cells

2. claim: 6

A method for producing plates coated with extracellular matrix.

3. claims: 11-13

An apparatus for growing cells in culture coated with bovine corneal endothelial cell extracellular matrix.

4. claims: 14, 15

An apparatus for growing cells in culture coated with artificial extracellular matrix.

5. claims: 25-33

A cell depository comprising human corneal endothelial cells; a method for producing said depository.

6. claims: 44-49

A method for denuding a cornea.

7. claims: 50-56

A preparation of a reconstituted extracellular matrix; a method for coating a denuded cornea using said matrix .

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Although claims 16-18, are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.				
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
see additional sheet				
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority dld not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Con sequently, this International Search Report is restricted to the invention tirst mentioned in the claims; it is covered by claims Nos.:				
1-5, 7-10, 16-24, 34-43				
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Remark on Protest The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional search fees.				